

BACKGROUND OF THE INVENTION

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A color display device of the type mentioned in the opening paragraph is known for instance from WO 98/18148. Said known color display device comprises a phosphor pattern which includes sub-patterns of phosphor regions luminescing red, green and blue light (hereinafter also referred to as 'red', 'green' and 'blue' phosphors). Colored layers (also referred to as color-filter layers) are provided under phosphor regions of corresponding color. The color filter layer absorbs incident light of different wavelengths than the light emitted by the relevant phosphor. This leads to a reduction of the diffuse reflection of incident light and to an improved contrast of the picture displayed. In addition the color filter layer may absorb a part of the emission radiated by the relevant phosphor, for instance emission peaks outside the wanted portion the visible spectrum, improving the color point of the relevant phosphor. The known color display device comprises at least a blue color filter layer.

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SUMMARY OF THE INVENTION

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To this end a display device in accordance with the invention is characterized in that the blue phosphors comprises phosphor particles provided with blue pigment.

Page 2, paragraph 3:

BRIEF DESCRIPTION OF THE DRAWING

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These and other aspects of the invention will be apparent from and elucidated with reference to the embodiments described hereinafter.

Page 2, paragraph 9:

DETAILED DESCRIPTION OF THE PRIMARY EMBODIMENT

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A color display device (Fig. 1) comprises an evacuated envelope 2 including a display window 3, a cone portion 4 and a neck 5. In the neck 5 there is arranged an electron gun 6 for generating three electron beams 7, 8 and 9. A display screen 10 is provided on the inner surface of the display window. Said display screen 10 comprises a phosphor pattern of phosphor element